

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\  
 Data File : VV017903.D  
 Acq On : 10 Aug 2020 18:03  
 Operator : SY/MD  
 Sample : L3608-07DL 5X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F2L78DL

Quant Time: Aug 11 03:25:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM080820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 11 01:17:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 245205   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 229495   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 117545   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 48840    | 38.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.14%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 44316    | 41.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.38%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 92206    | 30.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.60%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 79877    | 100.73   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.73% |
| 24) Chloroform-d               | 4.38    | 84    | 146722   | 44.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.38%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 110562   | 45.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.66%  |
| 32) Benzene-d6                 | 5.07    | 84    | 242482   | 45.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.50%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 64181    | 47.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.52%  |
| 41) Toluene-d8                 | 7.34    | 98    | 236136   | 44.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.66%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 40771    | 47.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.24%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 47247    | 97.08    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.08%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 96583    | 46.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.22%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 115234   | 48.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.18%  |

## Target Compounds

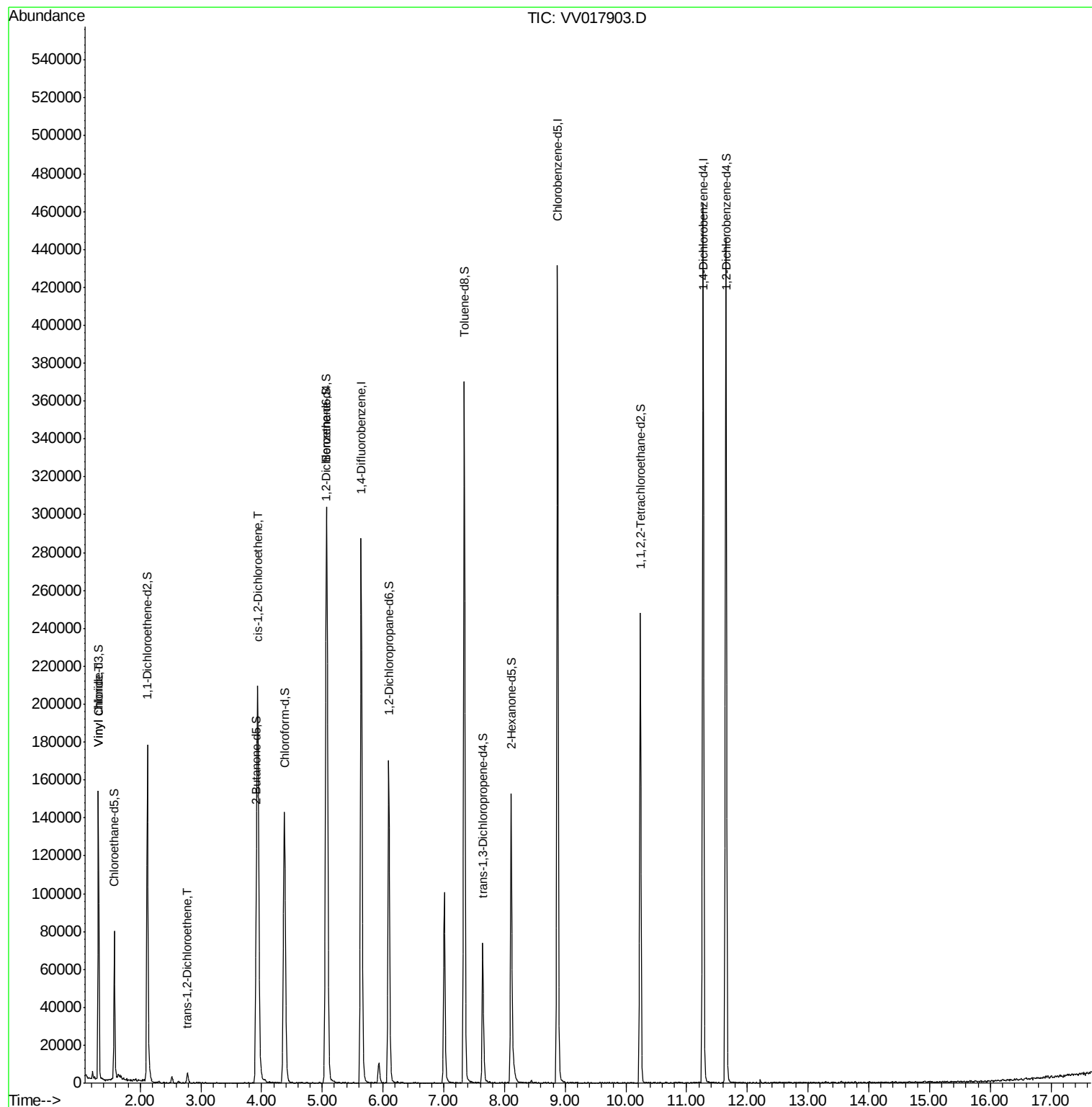
|                              |      |    |        |              | Ovalue |
|------------------------------|------|----|--------|--------------|--------|
| 5) Vinyl chloride            | 1.32 | 62 | 43859  | 30.613 ug/L  | 93     |
| 17) trans-1,2-Dichloroethene | 2.78 | 96 | 1853   | 1.257 ug/L # | 76     |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96 | 103980 | 65.296 ug/L  | 98     |

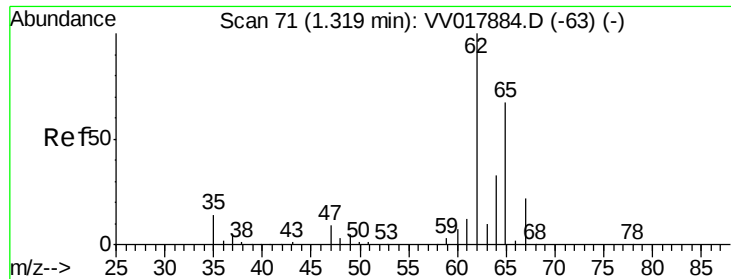
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 30.613 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017903.D

Acq: 10 Aug 2020 18:03

Instrument :

MSVOA\_V

ClientSampleID :

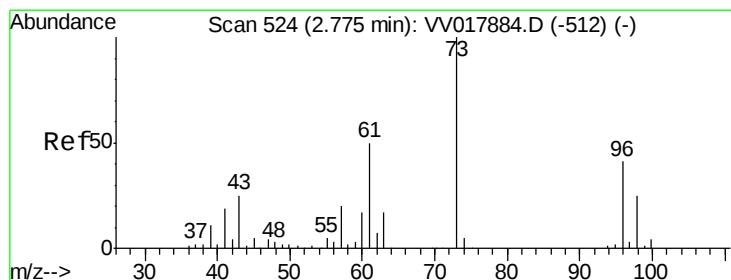
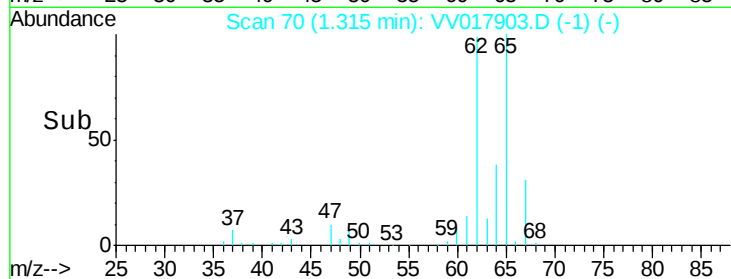
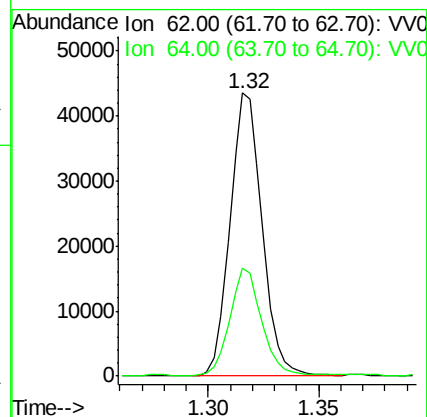
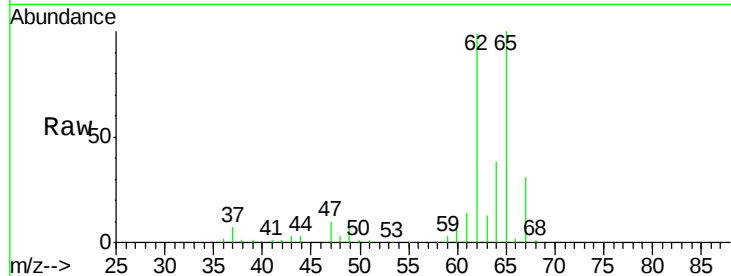
F2L78DL

Tot Ion: 62 Resp: 43859

Ion Ratio Lower Upper

62 100

64 38.3 24.0 44.6



#17

trans-1,2-Dichloroethene

Concen: 1.257 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017903.D

Acq: 10 Aug 2020 18:03

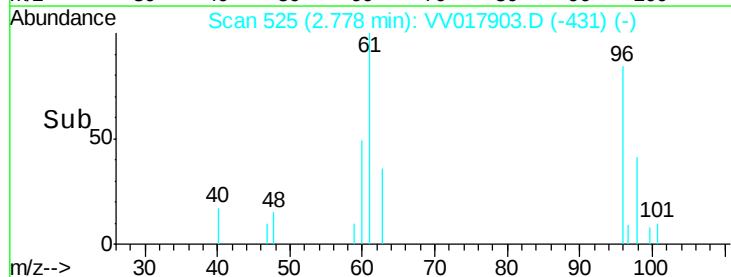
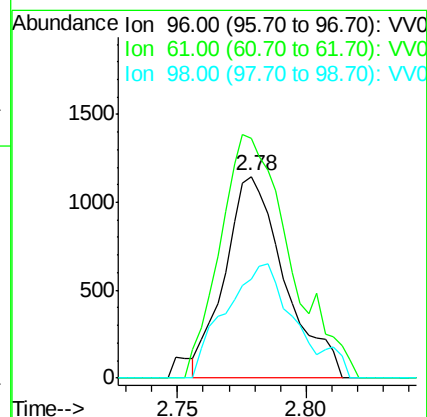
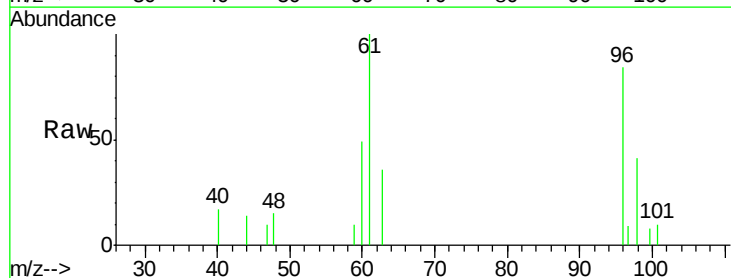
Tgt Ion: 96 Resp: 1853

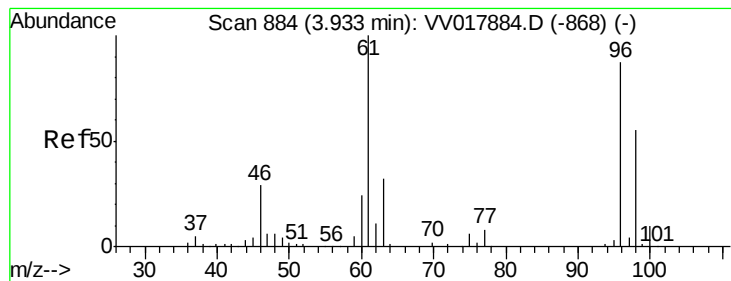
Ion Ratio Lower Upper

96 100

61 107.7 92.4 171.6

98 44.3 47.5 88.1#



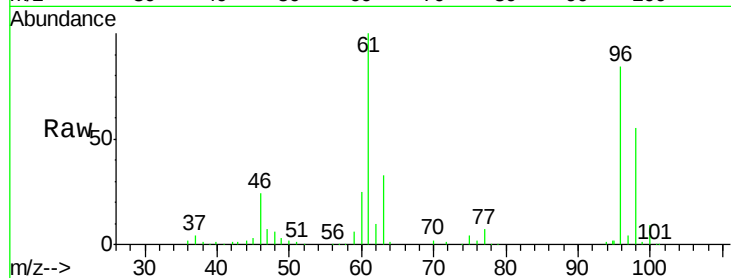


#20

cis-1,2-Dichloroethene  
 Concen: 65.296 ug/L  
 RT: 3.94 min Scan# 885  
 Delta R.T. 0.00 min  
 Lab File: VV017903.D  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 118.5 | 84.4  | 156.8 |
| 68      | 0.0   | 0.0   | 0.0   |



Abundance Ion 96.00 (95.70 to 96.70): VV0  
 Ion 61.00 (60.70 to 61.70): VV0  
 Ion 68.00 (67.70 to 68.70): VV0

